



BENEFITS OF INDUCTION HEATING

- Improved energy efficiency
- Higher degree of controllability
- Increased repeatability
- Low maintenance requirements
- Increased productivity

Casts all metals: precious and non-precious.
Automatic frequency setting.

Highly efficient technology.
Low energy consumption.

Fast melting by Induction heating generator
utilizing the latest technology.

Complete protection from oxidation by using
vacuum and gas argon atmosphere.

Reliable modular system, easy to maintain
and service.

Error and status messages for easy service
and remote diagnostics.

HEADQUARTERS:

158-2 Remington Blvd
Ronkonkoma, New York 11779
Tel: 631.467.6814
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ultraflexpower.com



FEATURES

- Advanced digital control panel with status and diagnostics messages
- Centrifugal injection casting with pneumatic movement for fast coil descent
- Integral water cooling system with pressure and water temperature control
- Centrifugal arm balancing with adjustable counterweight
- IR temperature reader/ regulator (EC-12)
- Melting power regulation
- DC motor with reduction gear: adjustable acceleration from 0.1 to 1 sec.
- Max rotating speed – 500 turns/min. Rotation timeout pre-set at 40 sec.
- Auto locking of the chamber lid during centrifugal phase for maximum safety
- Integral vacuum pump (EC-12)
- Inert (Argon) gas circuit included (EC-12)

SPECIFICATIONS

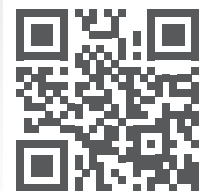
	EC-11	EC-11T	EC-11V	EC-12
Absorbed Power, kW	3.0	3.0	3.0	3.0
AC Line, Volts (50/60Hz)	230±10%	230±10%	230±10%	230±10%
Line Phases	1	1	1	1
Crucible Capacity	140g Pt, 150g Au, 80g Ag	140g Pt, 150g Au, 80g Ag	140g Pt, 150g Au, 80g Ag	140g Pt, 150g Au, 80g Ag
Max Flask Size (mm)	D - 80, H - 75	D - 80, H - 75	D - 80, H - 75	D - 80, H - 75
Max Melting, T°	2000 C°	2000 C°	2000 C°	2000 C°
IR Temperature Reader	n/a	included	n/a	included
Cooling System	Water-Internal	Water-Internal	Water-Internal	Water-Internal
Vacuum Pump	n/a	n/a	included	included
Weight, Lb (kg)	220.5 (100)	220.5 (100)	242.5 (110)	242.5 (110)
Dimensions, Inch (cm) LxWxH	20.9" x 25.9" x 41.3" (53 x 65.7 x 105)	20.9" x 25.9" x 41.3" (53 x 65.7 x 105)	20.9" x 25.9" x 41.3" (53 x 65.7 x 105)	20.9" x 25.9" x 41.3" (53 x 65.7 x 105)

APPLICATIONS

Casting – centrifugal.

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